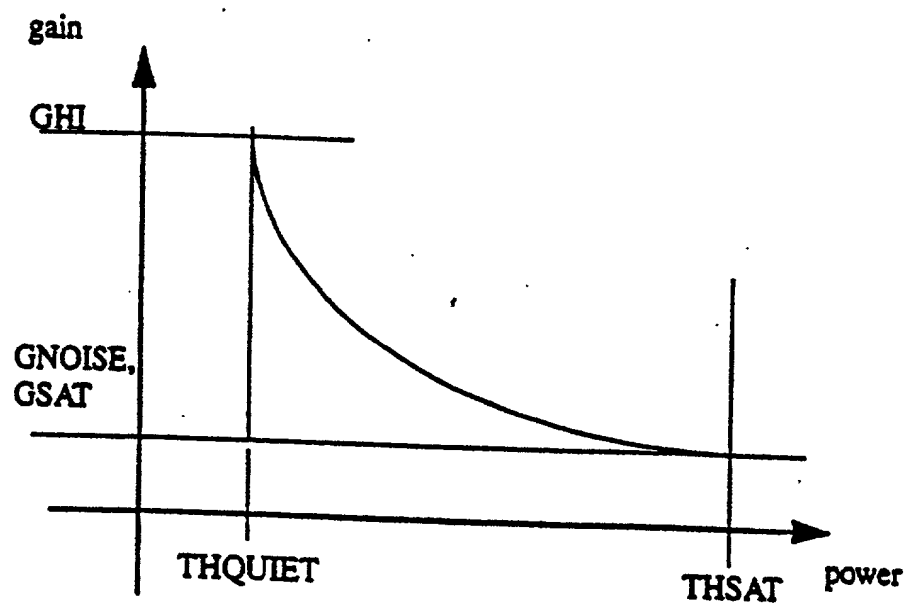


Open Loop Table based AGC

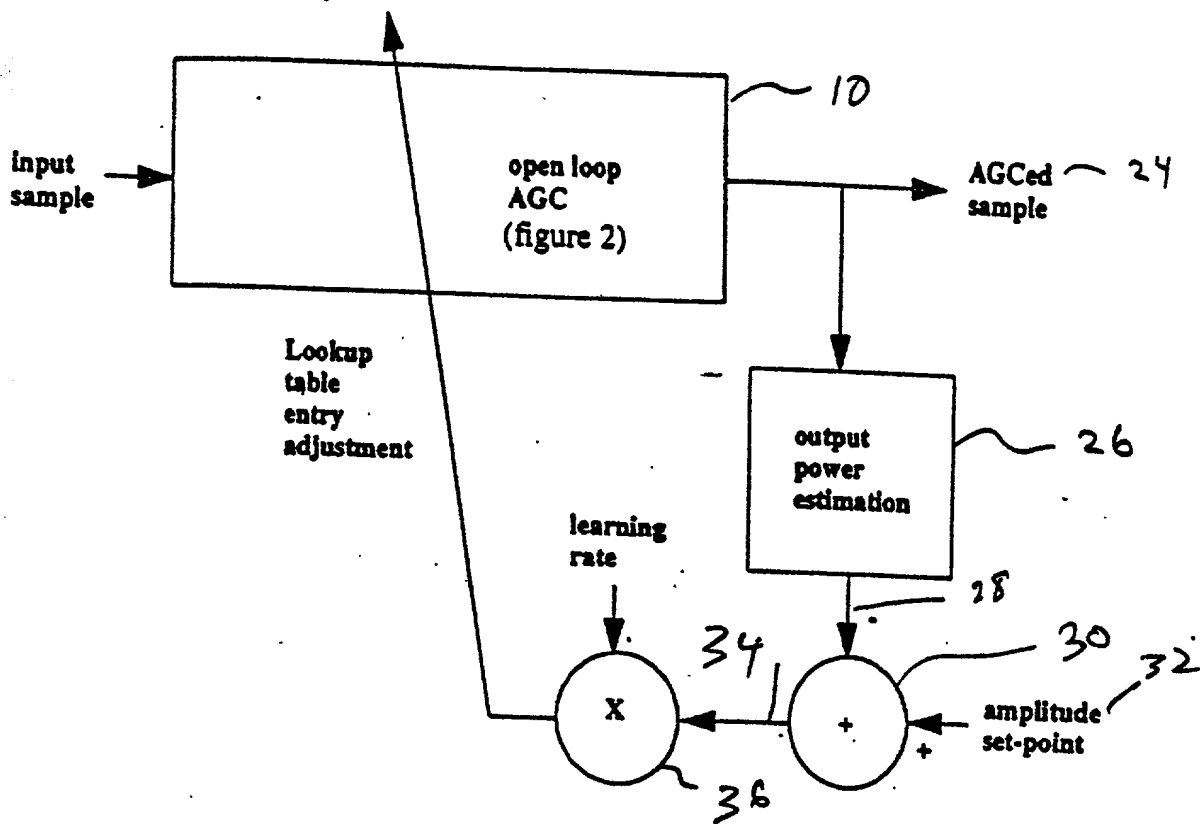
FIG 1.



Gain Table

FIG. 2

1300T-6720660



Closed loop Table based AGC

FIG. 3

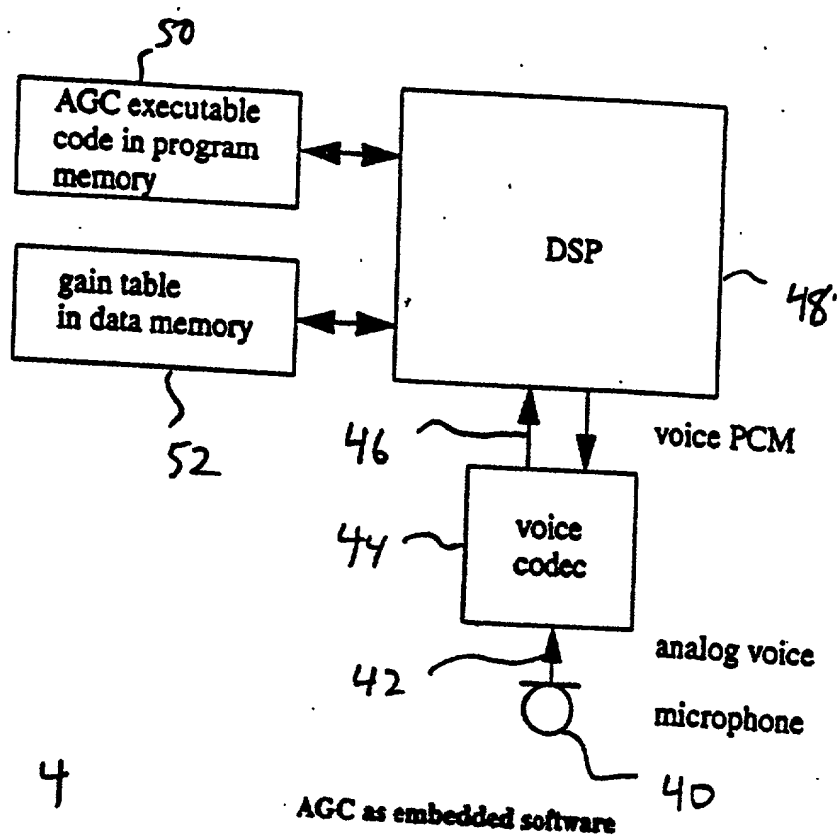


FIG. 4

100

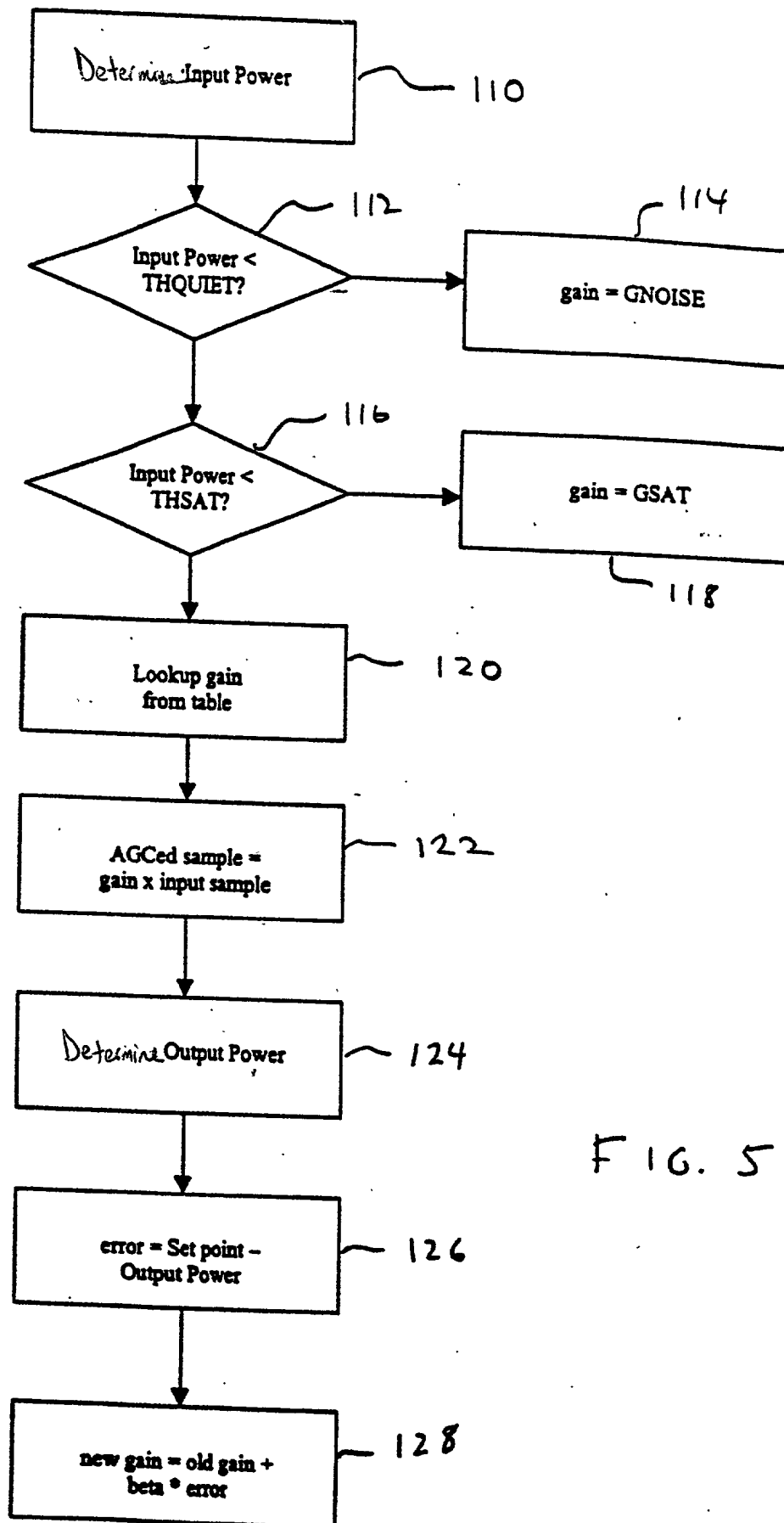


FIG. 5

microphone and codec 60

absolute value 64

single pole IIR digital filter 66

address 68

ram 70

data 72

+

+

+

X

X

absolute value 76

single pole IIR digital filter 80

beta 86

AGC in hardware

FIG 6

Before ABC

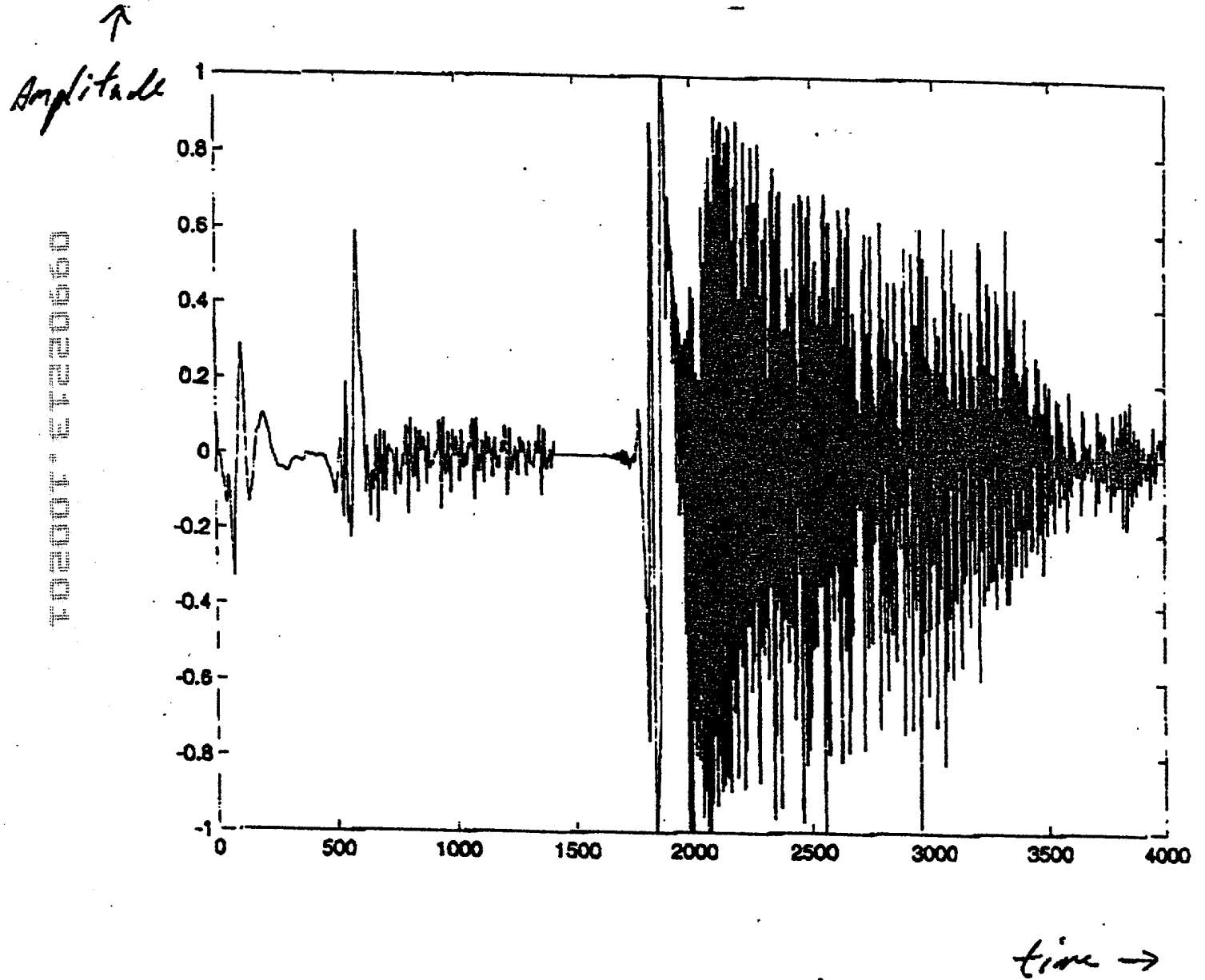


Figure 7

After AGC

↑
Amplitude

FOOT 22050

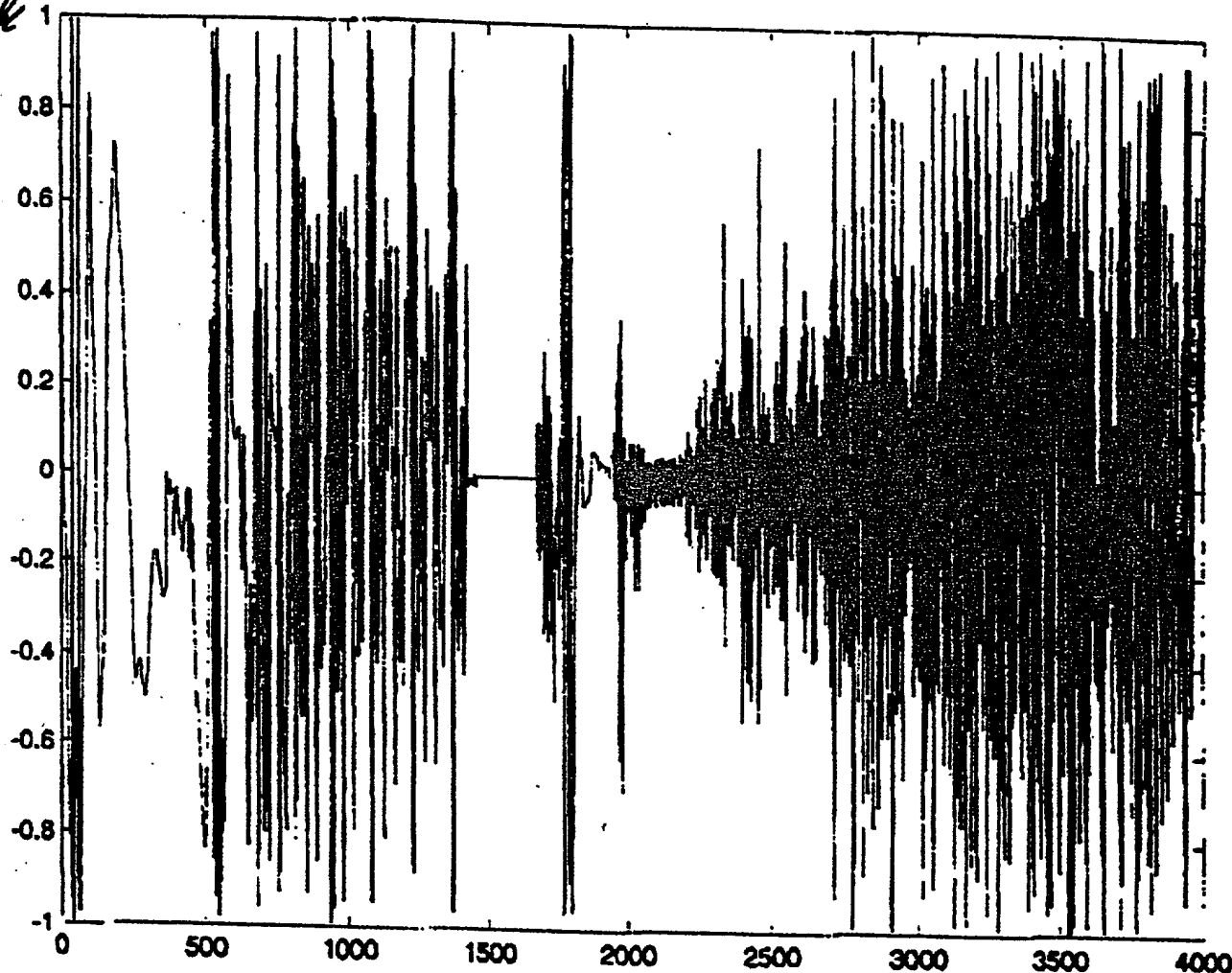


Figure 8